

Title (en)  
METHODS FOR DETECTING RARE SEQUENCE VARIANTS

Title (de)  
VERFAHREN ZUM NACHWEIS SELTENER SEQUENZVARIANTEN

Title (fr)  
PROCÉDÉS POUR DÉTECTER DES VARIANTS DE SÉQUENCE RARES

Publication  
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Application  
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Abstract (en)  
[origin: WO2015089333A1] In some aspects, the present disclosure provides methods for identifying sequence variants in a nucleic acid sample. In some embodiments, a method comprises identifying sequence differences between sequencing reads and a reference sequence, and calling a sequence difference that occurs in at least two different circular polynucleotides, such as two circular polynucleotides having different junctions, as the sequence variant. In some aspects, the present disclosure provides compositions and systems useful in the described methods.

IPC 8 full level  
**C12Q 1/6827** (2018.01); **C12Q 1/6869** (2018.01); **C40B 30/04** (2006.01)

CPC (source: EP IL KR US)  
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2. **C12Q 1/6869** + **C12Q 2531/125** + **C12Q 2531/131** + **C12Q 2535/122**

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D. I. LOU ET AL: "High-throughput DNA sequencing errors are reduced by orders of magnitude using circle sequencing", PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES, vol. 110, no. 49, 15 November 2013 (2013-11-15), pages 19872 - 19877, XP055374666, ISSN: 0027-8424, DOI: 10.1073/pnas.1319590110 & D. I. LOU ET AL: "High-throughput DNA sequencing errors are reduced by orders of magnitude using circle sequencing", PROCEEDINGS NATIONAL ACADEMY OF SCIENCES PNAS, vol. 110, no. 49, 15 November 2013 (2013-11-15), US, pages 19872 - 19877, XP055374686, ISSN: 0027-8424, DOI: 10.1073/pnas.1319590110

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